
North America's Leader in Hazardous Material Information Management
1905 Aston Avenue, Carlsbad, CA 92008
Phone (800) 451-8346 Fax (760) 602-8888

MSDS PRODUCT INFORMATION

Date: 10/07/2005
To: MSDS Requester
From: 3E Company
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☒ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☐ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: AgrEvo Environmental Health
Product Name: Finale Concentrate Weed And Grass Killer (DISCONTINUED)



3E COMPANY *North America's Leader in Hazardous Material Information Management*
1905 Aston Avenue, Carlsbad, CA 92008
Phone (800) 451-8346 Fax (760) 602-8856

MSDS DISCONTINUED PRODUCT

Date: 10/30/2001

To: MSDS Requester

From: 3E Company

Subject: The MSDS you have requested

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS attached is the most current version, or an MSDS is no longer available.

Manufacturer: AgrEvo Environmental Health

ProductName: Finale Concentrate Weed And Grass Killer (DISCONTINUED)

A company of Hoechst and Schering, Berlin

Page: 1 of 4
Issue Date: 10/30/95
Supersedes: 01/23/95

FINALE CONCENTRATE WEED AND GRASS KILLER

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

AgrEvo Environmental Health
95 Chestnut Ridge Road
Montvale, NJ 07645

COMPANY CONTACT: *Regulatory Dept.*
TELEPHONE NUMBER: (800)438-5837

EMERGENCY TELEPHONE NUMBER
(800)228-5635 ext. 202

PRODUCT NAME: **FINALE CONCENTRATE WEED AND GRASS KILLER**
PRODUCT CODE: F30616008
CHEMICAL FAMILY: *Mixture*
CHEMICAL FORMULA: *Mixture*
EPA REGISTRY NUMBER: 45639-193-10370
MSDS IDENTIFICATION CODE/NUMBER: F30616008

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EXPOSURE LIMITS	CONCENTRATION PERCENT BY WEIGHT
Glufosinate-ammonium CAS NUMBER: 77182-82-2	None established	= 5.78
Inert Ingredients	None established	= 94.22

SECTION 3. HAZARDS IDENTIFICATION

***** **EMERGENCY OVERVIEW** *****
Health: Causes eye irritation. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling.

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY

Skin absorption and vapor & spray mist inhalation.

EYES

Direct contact causes mild eye irritation.

SKIN

A slight skin irritant.

SIGNS AND SYMPTOMS

Central nervous system stimulation leading to tremors and convulsions occurs in lethally dosed rats. Phenobarbital was an effective therapeutic agent to counteract these CNS effects.

FINALE CONCENTRATE WEED AND GRASS KILLER

SECTION 4. FIRST AID MEASURES

EYES

Flush eyes with plenty of water. Get medical attention if irritation persists.

SKIN

Wash with plenty of soap and water. Get medical attention if irritation persists.

INGESTION

Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting in or give anything by mouth to an unconscious person.

INHALATION

Remove individual to fresh air. Get medical attention if breathing difficulty develops.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

SMALL FIRE: Dry chemical or carbon dioxide.

LARGE FIRE: Foam or water - move containers from fire area if without risk. Cool containers with water from maximum distance.

FIRE FIGHTING INSTRUCTIONS

Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Do not touch spilled material. Take up with sand, earth or other non-combustible absorbent material or dike for later disposal. Avoid flame or sparks. Please refer to Section 13 for proper waste disposal procedure.

SECTION 7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

Causes eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling.

STORAGE PRECAUTIONS

Do not contaminate water, food or feed by storage or disposal. Do not use or store near heat or open flame. Store this product in its original container. Do not put concentrate or diluted product into food or drink containers. Store product in a secure storage area.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Handle only in ventilated areas.

EYE/FACE PROTECTION

Goggles, face shield or safety glasses. (For normal use by end users).

FINALE CONCENTRATE WEED AND GRASS KILLER

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Blue to bluish-green liquid.

ODOR

Saponaceous (soapy).

BASIC PHYSICAL PROPERTIES

PHYSICAL STATE: *Liquid*

pH: *6.5*

DENSITY: *1.0371 g/cm³ at 20°C (68°F).*

SECTION 10. STABILITY AND REACTIVITY

STABILITY: *Stable*

HAZARDOUS POLYMERIZATION: *Will not occur.*

SECTION 11. TOXICOLOGICAL INFORMATION

EYE EFFECTS

A mild eye irritant.

SKIN EFFECTS

Irritation: *Slightly irritating*

Absorption: *LD50 > 4,000 mg/kg*

ACUTE ORAL EFFECTS

LD50 > 5,000 mg/kg

ACUTE INHALATION EFFECTS

4-Hour LC50 = 2.19 mg/L

-Hour equivalent LC50 = 8.76 mg/L (for DOT purposes)

CHRONIC (CANCER INFORMATION)

This product contains glufosinate-ammonium as the herbicidal active ingredient. Chronic exposure to glufosinate-ammonium produced an adaptive increase in kidney weight in several animal species. There was no observable change in kidney function as a result of these weight changes. There were no changes in tumor incidence after lifetime exposure to glufosinate-ammonium in rats and mice.

CARCINOGENICITY: *NTP: No IARC: No OSHA: No*

TERATOGENICITY (BIRTH DEFECTS)

Glufosinate-ammonium, when administered to pregnant animals, produced no adverse effects on fetuses at doses which were not toxic to the mothers.

MUTAGENICITY (GENETIC EFFECTS)

No mutagenic activity was detected in a battery of mutagenicity tests.

MISCELLANEOUS TOXICOLOGICAL INFORMATION

The above toxicological data and information is directly from the supplier of this material.

FINALE CONCENTRATE WEED AND GRASS KILLER

SECTION 12. ECOLOGICAL INFORMATION

OTHER ENVIRONMENTAL INFORMATION

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

SECTION 13. DISPOSAL CONSIDERATIONS

Product Disposal: *Partially filled bottle may be disposed of by securely wrapping original container in several layers of newspaper and discarding in trash. In case of spill or leak, soak up with paper towels and discard in trash.*

Container Disposal: *Do not reuse empty bottle. Rinse thoroughly and wrap in several layers of newspaper before discarding in trash.*

SECTION 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: *Consumer Commodity*

DOT SHIPPING LABEL: *ORM-D*

SECTION 15. REGULATORY INFORMATION

SARA TITLE III NOTIFICATIONS AND INFORMATION

SARA TITLE III - HAZARD CLASSES: *Acute Health Hazard - "Yes"*
Chronic Health Hazard - "No"
Fire Hazard - "No"
Sudden Release of Pressure Hazard - "No"
Reactivity Hazard - "No"

SECTION 16. OTHER INFORMATION

NFPA HAZARD RATING - HEALTH: *1 Slight*
- FIRE: *1 Slight*
- REACTIVITY: *0 Negligible*
- SPECIAL:

HMIS HAZARD RATING - HEALTH: *1 Slight*
- FIRE: *1 Slight*
- REACTIVITY: *0 Negligible*
- PROTECTION: *B*

MSDS IDENTIFICATION CODE/NUMBER: *F30616008*

PREPARED BY: *Regulatory Department* **PHONE:** *(800)438-5837*
SUPERCEDES MSDS DATED: *01/23/95*

DATE AND TIME OF PRINTING: *03/13/96 17:06:52*

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

Buyer assumes all responsibility for safety and use, not in accordance with directions.